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Plant breeding abstracts

COMMONWEALTH BUREAU OF PLANT BREEDING AND GENETICS

Department of Applied Biology,
Cambridge, CB2 3DX, U.K.

(Telephone: Cambridge 58381 Ext. 216)

Director: R.H. Richens, M.A., Ph.D.
Assistant Director: Miss O. Holbek, B.Sc.
Scientific Information Officers: B.F. Cooper, M.A., Ph.D.
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The Commonwealth Bureau of Plant Breeding and Genetics is one of 10 Bureaux and 4 Institutes which together form the Commonwealth Agricultural Bureaux, an organisation sponsored by Commonwealth governments for the dissemination of information on agricultural research.

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PLANT BREEDING ABSTRACTS

Volume 47

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CAB has three main functions: a world agricultural information service, an identification service for entomology, mycology and helminthology, and a biological control service. CAB's information service is based on 24 abstract journals which, taken together, cover the whole range of agricultural science. Contemporary world literature in many languages is scanned for items worthy of noting by abstract or titles in the journals. Since 1973 all references have been made available in machine-readable form for batch searching and on-line retrieval. The data base contains approximately 600,000 records and is increasing by 12,000 per month. Other publications include technical periodicals, annotated bibliographies, review articles and books. An information retrieval service ensures that individual needs are met, and also supplies photocopies of source papers.

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Dependent Territories	R.K. Cunningham, BSc, PhD, FRIC.	Agricultural Adviser, Ministry of Overseas Development, Eland House, Stag Place, London SW1E 5DH.

ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

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Page	*Abstract*	*Line*	
14	25		transfer to p. 16, to follow Abstract No. 44
17	71	1	for '**Collection**' read '**Collections**'
41	330	2	for '**Bánkáti**' read '**Bánkúti**'
47	407	3	for '**Andropopogoneae**' read '**Andropogoneae**'
60	551	2	for '**momogerm**' read '**monogerm**'
60	551	5	for 'of' read 'in'
67	632	7	for 'Ordinary' read 'Common'
70	679	2	for '*Medlinger*' read '*Meldinger*'
71	695	15	for '*Vaccinum*' read '*Vaccinium*'
71	698	17	for 'cinerea' read '*cinerea*'
72	705	9	for 'Transmontone' read 'Transmontane'
73	712	1	for 'Rulaander' read 'Ruländer'
74	732	2	for '*s.;kh.*' read '*s.-kh.*'
75	748	1	for '**Bicentennial**' read '**bicentennial**'
78	782	10	for 'Brassicae' read 'Brassiceae'
78	783	11	for 'Long; Red' read 'Long Red'
79	791	15	for 'A. aobanum' read '*A. aobanum*'
80	806	8	for 'Kohlrabi' read 'kohl rabi'
83	834	10	for 'later' read 'latter'
87	879	1	for 'Jr.,' read 'Jr.;'
88	894	8	for '*speciosium*' read '*speciosum*'
91	905	3	for 'előrejelzésénck' read 'előrejelzésének'
91	905	4	for '*Növényrermelés*' read '*Növénytermelés*'
96-97	977-986		transfer to WHEAT section, p. 97
96	978	6	before 'Kenya' insert 'The wheats'
96	978	7	for 'higher' read 'lower'
96	978	9-11	delete last sentence
96	982	7	for 'line' read 'wheat'
96	934	5	for 'varieties' read 'wheats'
105	1085	9	for '*timopheevi*' read '*timopheevii*'
105	1085	19	for '13' ' read '13′ '
106	1100	2	for '***Se***' read '***se***'
107	1112	2	for '**Ustilago maydis**' read '***Ustilago maydis***'
111	1159	2	for '**tasseling**' read '**tasselling**'
114	1200	12	delete 'as' and 'three'
114	1200	13	delete 'mutants'
114	1201	19-20	for '^{1} III + ^{6} II' read '$1_{III} + 6_{II}$'
117	1237	8,11,13	for '*reinformis*' read '*reniformis*'
118	1254	12	for '$P_cP_xP_sPt_mP_{in}P_{sh}$' read '$P_cP_xP_sP_mP_{in}P_{sh}$'
119	1258	3	for '**vigor**' read '**vigour**'
120	1271	1	for '*Pi-Z*^{t}' read '*Pi-z*^{t}'
124	1325	2	for '*Sev.; Zap.*' read '*Sev.-Zap.*'
125	1327	8	for 'heterozyous' read 'heterozygous'
125	1327	13	for '*wolica*' read '*wolgica*'
127	1357	10	for '10^{4}' read '10^{-4}'
132	1416	13	for 'sex' read 'six'
133	1428	14	after parenthesis insert comma
137	1489	4	for '*Phytophora*' read '*Phytophthora*'
146	1598	11	for 'Koyochakuto' read 'Koyohakuto'
147	1601	7	for 'Hyugonatsu Unsha' read 'Hyugonatsu, Unshu'
147	1601	8	after 'calamondin' insert comma and '*Poncirus trifoliata*'
147	1601	14	after 'Unshu' insert full stop
147	1602	11	for 'madarin' read 'mandarin'
152	1676	11-12	for '*7240]. Similar techniques have yielded a few plantlets of*' read '7240] . Similar techniques have yielded a few plantlets of'
153	1679	5	for 'Armillaria mellea' read '*Armillaria mellea*'
153	1690	2	for '*agrosomeliov.*' read 'agrosomelior.'
157	1730	7	for '*sandida*' read '*candida*'
158	1746	14	for 'Hondeydew' read 'Honeydew'
160	1777	4	for '51===' read 'USA'
171	1884	5	for '*Referatinvyĭ*' read '*Referativnyĭ*'
175	1927	1	delete 'In===.'
208	2317	1	before 'H.-I.' insert 'OKA '

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211	2356	21	for '*dastystachyum*' read '*dasystachyum*'
211	2356	22	for '*daststachyum*' read '*dasystachyum*'
211	2364	7	for '*gomerata*' read '*glomerata*'
213	2380	5	for '*brachycalycinium*' read '*brachycalycinum*'
215	2410	4	after 'altitudes' insert comma
215	2410	11	for 'Georgian, SSR' read 'Georgian SSR'
216	2424	8	for 'Heterodera' read '*Heterodera*'
218	2446	3	for 'U-jabb' read 'Újabb'
220	2466	11	after 'designated' add 'XII'
223	2509	11	for 'best-available' read 'best available'
224	2519	9	for '*SuSu*' read '*Susu*'
226	2548	1	for '**vis-a-vis**' read '**vis-à-vis**'
227	2565	3	for 'Ustädesförening' read 'Utsädesförening'
227	2565	7	for 'urucic' read 'erucic'
229	2581	3	for 'Çeşitleri' read 'çeşitleri'
230	2592	1	for 'M. Nawaz Bajwa' read 'Nawaz Bajwa, M.'
231	2614	2	for 'Bölgesi' read 'bölgesi'
231	2614	3	for 'Ümitvar Elma' read 'ümitvar elma'
233	2629	2	for '***Venturai***' read '***Venturia***'
233	2637	5	for '**salicinia**' read '**salicina**'
234	2643	10	for 'Sofiíska' read 'Sofiíska'
235	2658	3	for 'Çeşitlerinin' read 'çeşitlerinin'
236	2684	2	for 'Çeşit' read 'çeşit'
242	2746	5-6	for 'Abies borisii regis', 'A. cephalonica', 'A. alba' read '*Abies borisii regis*', '*A. cephalonica*', '*A. alba*'
242	2752	6	for '*Aphamomyces*' read '*Aphanomyces*'
243	2763	7	delete 'and'
244	2768	2	for '***lactuae***' read '***lactucae***'
245	2776	13	after '$Pm_1Pm_1Pm_2Pm_2$' insert comma
247	2813	7	for '*P.*' read '*Phaseolus*'
250	2837	2	for '**soyabeans**' read '**soybeans**'
250	2847	1	for 'Ė.' read 'Ė.'
251	2859	3	for '***CLaviceps***' read '***Claviceps***'
273	3092	3	for 'bakningsförmåga' read 'bakningsförmåga'
273	3095	2	for 'Provningsmetoder' read 'Prøvningsmetoder'
293	3332	3	for '***sorghum***' read '***Sorghum***'
297	3381		transfer to VEGETABLES section, to follow abstract 3811
299	3413	3	for '***Cyampsis***' read '***Cyamopsis***'
300	3427		transfer to VEGETABLES section, to follow abstract 3809
312	3583	4-5	for '1-10 plants/fr^2)' read '(1 – 10 plants/ft^2)'
308	3526	16	for '*v[s)*' read '*v(s)*'
		17	for '*v*(S)' read '*v(S)*'
317	3638	8	for 'studies' read 'studied'
320	3683	5	for 'szőltermesztésben' read 'szőlőtermesztésben'
324	3735	2	for '*Disseration*' read '*Dissertation*'
327	3776	6	after 'of' insert 'the lettuce'
330	3813	8	for 'is' read 'are'
343	3968	26	for '*Teosinte*' read 'teosinte'
343	3976	2	for 'giemsa' read 'Giemsa'
348	4034	2	for 'Triticinae' read 'Triticineae'
389	4534	1	for 'GROVER, S., JR.' read 'SOWELL, G., JR.'
419	4899	3	after '(AGADJANIAN, E.A.)' insert semicolon
420	4909	11	for 'dependant' read 'dependent'
420	4914	3	for '*amylevora*' read '*amylovora*'
426	5002	6	for 'on' read 'of'
430	5043	12	for 'was' read 'has'
433	5079	7	for '*C (Ae. candata)*' read 'C (*Ae. caudata*)'
434	5090	6	for '*boeotium*' read '*boeoticum*'
436	5113	2	after 'G.S.' insert semicolon
437	5122	7	for '*secale*' read '*Secale*'
438	5136	16	delete 'tet'
439	5145	15	for '1.26$^{\text{I}}$' read '1.26$_{\text{I}}$'
442	5186	10	for 'had' read 'has'
446	5235	8	for '*Trichometasphaeria*' read '*Trichometasphaeria turcica*,'
451	5285	4	delete 'i'
451	5285	5	for 'stanulmányozása' read 'Tanulmányozása'
452	5297	11	for 'Champlain' read 'Champlein'

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453	5311	3	for '*AGriculture*' read '*Agriculture*'
455	5337	2	for '**Pearl**' read '**pearl**'
455	5341	10	for 'historic' read 'historical'
456	5348	4	for 'irányítăa' read 'irányítása'
457	5366	6	after 'Philippines' insert comma
458	5378	8	for '$Acp_3{}^4$' read '$Acp_1{}^{-4}$, $Apc_1{}^4$'
461	5405	8	for 'was' read 'were'
465	5462	1	for '***Cynondon***' read '***Cynodon***'
466	5475	3	for 'caracte:re' read 'caractère'
466	5475	6	for '*botanique national*' read '*Botanique National*'
470	5524		transfer to p. 512, to follow Abst. 6057
479	5632	11	for '*alibilneans*' read '*albilineans*'
482	5677	6	for '$10n^7$' read '10^7 n'
483	5684	3	for 'forsta' read 'första'
490	5780	1	for 'Vitkovskaya' read 'Vitkovskiĭ'
492	5811	2	for 'bringebaer' read 'bringebær'
493	5821	17	for '*dikushcha*' read '*dikuscha*'
494	5826	7	delete 'Swedish'
494	5826	8	for 'Matkakaski' read 'Matkakoski'
494	5826	12	for 'Matkakoshi' read 'Matkakoski'
494	5828	12	for 'contacontained' read 'contained'
494	5828	17	for '*grossularie*' read '*grossularia*'
495	5843	2	for 'teljesítŏképessége' read 'teljesítőképessége'
495	5843	5	for 'Egyetum' read 'Egyetem'
496	5861	3	delete '*shzyaisstvennay*'
497	5872	1	for 'Northwestern' read 'Northeastern'
497	5872	3	for '1974' read '1975'
499	4898	3	for '**Betula alleghaniensis**' read '***Betula alleghaniensis***'
500	5906	3	for '*AGriculture*' read '*Agriculture*'
500	5908	21	for 'fo' read 'to'
501	5917	1	for 'ABD-EL-RAZIL' read 'ABD-EL-RAZIK'
501	5917	3	for '***Cepivorum* berk.**' read '***cepivorum* Berk.**'
501	5924	1	after 'ŌMATSUZAWA, T.' insert semicolon
502	5927	2	for '**in**' read '**for**'
502	5927	3	for 'tidig' read 'tidlig'
502	5932	2	for 'Dyrkningsvædige rosenkal' read 'Dyrkningsværdige rosenkål'
503	5943	9	for 'Grey' read 'Gray'
503	5943	10	for 'Charlestone Grey' read 'Charleston Gray'
503	5946	8	for 'nd' read 'und'
504	5958	2	for 'tomateras' read 'tomatenras'
505	5969	4	for 'iráyuló' read 'irányuló'
505	5975	1	for '*oxysporium*' read '*oxysporum*'
508	6010	5	delete 'and'
508	6010	8	after 'so' insert 'that'
510	6037	8	for 'cooking' read 'cooling'
510	6039	3	for 'Néhány' read 'néhány'
512	6066	5	for 'entomoloy' read 'entomology'
516	6081	10	for 'exchanged' read 'exchanges'
518	6105	3	for '*Ascochuta*' read '*Ascochyta*'
519	6124	10	for 'distil' read 'distal'
520	6127	29,30	for '*langsdorfii*' read '*langsdorffii*'
522	6147	7	for '*arietinium*' read '*arietinum*'
		8	for '*Lathyris*' read '*Lathyrus*'
		16-17	for '-10^5 to -10^3 M' read '10^{-5} to 10^{-3} M'
524	6178	15,18, 20	for '1AA' read 'IAA'
528	6222	13	for '*Dicoccum*' read '*dicoccum*'
537	6319	2	for 'Descripcion' read 'Descripción'
543	6388	8	for '*Rhyncosporium*' read '*Rhynchosporium*'
544	6400	12	after 'mixed types' read 'is described'
545	6415	6	for 'Beispile' read 'Beispiel'
545	6417	7	for '*Kulterpflanze*' read '*Kulturpflanze*'
549	6465	5	for 'dey-matter' read 'dry-matter'
550	6471	18-19	for '*phei-pratensis*' read '*phlei-pratensis*'
554	6529	3	for '***Ipomea***' read '***Ipomoea***'
563	6628	8	for 'Ceská' read 'Ceská'
563	6632	5	for 'field' read 'fields'

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564	6652	27	for '*hirsutam*' read '*hirsutum*'
567	6679	6	for '*leuchotrichia*' read '*leucotricha*'
570	6718	6	for '2-chloroethane phosphenic' read '2-chloroethanephosphonic'
570	6730	11	for 'Cabernet, Sauvignon' read 'Cabernet Sauvignon'
573	6766	3	for '*Liquidamber*' read '*Liquidambar*'
576	6809	8	for 'carotypes' read 'caryotypes'
579	6893	13	for '3, had' read '3, six had'
582	6883	6	for '*arietum*' read '*arietinum*'
583	6890	8	for '*lathroides*' read '*lathyroides*'
585	6917	4	for '*Universitisi*' read '*Universitesi*'
		6	for 'Universitesi' read 'Universitesi'
587	6934	15	for 'NMG' read 'MNG'
587	6943		transfer to MINOR CROP PLANTS, to follow Abstract 6630
588	6949	10	for '*Bisporus*' read '*bisporus*'
588	6951	13	for 'to' read 'per'
		26	for '5' read '5 × 5'
591	6955	1	for '**heterogenous**' read '**heterogeneous**'
593	6986	4	for 'Fishers' read 'Fisher's'
597	7036	6	for '*Allum*' read '*Allium*'
599	7067	2	for 'Dungham' read 'Dunghan'
604	7118	10	for 'Kalayan' read 'Kalyan'
614	7227	4	for 'Eeferativnyĭ' read 'Referativnyĭ'
615	7239	1	after 'ORLYUK, A.P.' insert semicolon
617	7259	12	for 'Sonalike' read 'Sonalika'
626	7358	1	after '(SARI GORLA, M.)' insert semicolon
628	7376	3	for 'polyacrilamide' read 'polyacrylamide'
631	7407	1	for 'KESAVAN; P.C.' read 'KESAVAN, P.C.'
644	7561	17	for '*Sangineum*' read '*sanguineum*'
646	7584	2	for '***Sandvicense***' read '***sandvicense***'
652	7656	9	for 'dessiccated' read 'desiccated'
652	7659	6	after '♂' insert full stop
653	7673	7	delete 'that'
653	7673	9	for 'three-loci' read 'three-locus'
654	7674	13	for 'proportions' read 'proportion'
654	7681	12	for '45"67%' read '45–67%'
656	7700	18	delete comma
657	7715	10	for 'related' read 'rated'
658	7726	6	for ' 'Malling Promise' Merva' read ' 'Malling Promise' × Merva'
658	7733	2	for '***Vaccinnium***' read '***Vaccinium***'
658	7733	16	after 'which' insert comma
658	7734	2	for 'Problems' read 'Probleme'
660	7750	12	for 'Vineyard] × Muscar' read 'Vineyards] × Muscat'
664	7812	3	for '*detoides*' read '*deltoides*'
664	7816	3	for '*Ėologi*' read '*Ėkologiya*'
666	7836	5-6	for 'piedmont and coastal plain' read 'Piedmont and Coastal Plain'
666	7836	10	for 'piedmont' read 'Piedmont'
669	7881	9	for '*Corticum*' read '*Corticium*'
671	7903	2	for 'Paradicsomgenetikae' read 'Paradicsomgenetikai'
675	7947	4	for 'genes' read 'genus'
675	7955	12	for '*Spenostylis*' read '*Sphenostylis*'
680	8017	8	for '*Moloidogyne*' read '*Meloidogyne*'
680	8018	11	for 'Hawkey' read 'Hawkeye'
683	8046	27-28	for '2*x* wheats (such as *T. monococcum* and *T. dicoccum*)' read 'wheats such as *T. monococcum, T. dicoccum*'
692	8141	12	for '*esulentum*' read '*esculentum*'
692	8141	29	for '*Sphaerothea*' read '*Sphaerotheca*'
714	8411	13	for 'Inrakom' read 'Inrakorn'
737	8680	3	for 'Prilepa' read 'Prilep'
743	8745	2	for '*Artemesia*' read '*Artemisia*'
749	8823	8	for 'Perld'o' read 'Perl d'o'
752	8859	1	for 'systematins' read 'systematics'
752	8859	8	for '*carpinifalia*' read '*carpinifolia*'
752	8859	12	for '*myrtifolia*' read 'var. *myrtifolia*'
776	9105	3	for '***villosulicarpo***' read '***villosulicarpa***'
776	9105	6	for '*villosulicarpo*' read '*villosulicarpa*'
777	9129	10	for 'nidulans' read '*nidulans*'
778	9139	16	for 'internodes,' read 'internodes;'
781	9171	3	for '*Wissenshaft*' read '*Wissenschaft*'

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784	9203	8	for 'varieties' read 'wheats'
796	9334	12	for '=' read '-'
800	9378	7	for 'Belgium' read 'Belgian'
803	9409	7	for 'barley' read 'barleys'
805	9438	4	after 'haploid' insert 'rice'
808	9474	3	for '*f.*' read 'f.'
812	9527	7	for '*Corticum*' read '*Corticium*'
813	9533	6	for 'out' read 'cut'
813	9538	5	for '*Hygeine*' read '*Hygiene*'
814	9552	2	for 'Zuweck' read 'Zweck'
815	9561	2	for 'KH.,' read 'KH.;'
816	9568	3	for 'Phoma exigua' read '*Phoma exigua*'
820	9622	1	for '**the**' read '**The**'
827	9705	9	for 'bytypes' read 'by types'
829	9737	8	for '*hypogaca*' read '*hypogaea*'
833	9786	6	for 'Stevn's' read 'Stevns'
835	9808	4	for 'p8' read 'på'
837	9828	1	for 'S. COTRAU' read 'COTRAU, S.'
839	9858	1	for '**phenotypice**' read '**phenotypic**'
839	9864	6	for '*elliotii*' read '*elliottii*'
843	9906	1	for 'J.-P.,' read 'J.-P.;'
843	9907	8	for '*Rapidstrum*' read '*Rapistrum*'
843	9909	12	for '*Plasmodiphora*' read '*Plasmodiophora*'
845	9934	1	for 'Körös' read 'Kőrös'
847	9956	9	for '*vaporariorium*' read '*vaporariorum*'
877	10312	9	for '0.47_{II}' read '0.47_{III}'
880	10341	9-10	for 'tarcica, *Cochliobolus medium resistance to*' read 'medium resistance to'
892	10485	8	for '*Trichometrasphaeria*' read '*Trichometasphaeria*'
894	10501	11	for 'aventitions' read 'adventitious'
899	10562	18	for '*marbonensis*' read '*narbonensis*'
903	10613	6	for '*Referativnyi*↗' read '*Referativnyĭ*'
909	10688	3	for '**sunfloWer**' read '**sunflower**'
910	10700	3	for '***hypogea***' read '***hypogaea***'
912	10721	8	for 'Fruhernte' read 'Frühernte'
914	10747	18	for 'were' read 'was'
914	10749	13	for 'nagygygyümőlcsű' read 'nagygyümölcsű'
921	10836	6	for '*sylvesttris*' read '*sylvestris*'
921	10836	12	for 'transamine' read 'transaminase'
921	10842	4	for '*Býskumného*' read '*Výskumného*'
928	10931	7	for '*Cucurbits*' read '*Cucurbita*'
935	11007	1	for 'CHIKKADEVAIAH,' read 'CHIKKADEVAIAH;'
938	11050	43	for '*argyprophyllus*' read '*argyrophyllus*'
939	11051	12	for '$\rho_k = \rho_k$' read '$\rho_k = \rho^k$'
939	11059	9	for 'geneotype' read 'genotype'
940	11064	5	for 'Wiezmann' read 'Weizmann'
940	11067	6	for 'recsssive' read 'recessive'
943	11112	8	for 'embyroid' read 'embryoid'
951	11227	15	for '*zhukovsky*' read '*zhukovskyi*'
954	11261	4	for '*Agrotekhinka*' read '*Agrotekhnika*'
957	11297	3	for '**winterwheat**' read '**winter wheat**'
961	11340	21	for 'acidia' read 'ecidia'
965	11385	6	for 'occurence' read 'occurrence'
968	11425	11	for 'gl_1' read 'gl^1'
970	11445	3	for 'szászilárdságában' read 'szárszilárdságában'
976	11508	7	for '*Ceratosphaerie*' read '*Ceratosphaeria*'
981	11574	3	for '*Bynl.*' read '*Byul.*'
985	11627	9	for '*hydridum*' read '*hybridum*'
988	11660	7	for '*vostochiensis*' read '*rostochiensis*'
988	11665	1	for 'SHARMA, T.R.,' read 'SHARMA, T.R.;'
988	11665	2	for '**temerature**' read '**temperature**'
989	11668	8	for 'variety' read 'potato'
993	11714	3	for '*Ayboroti*' read '*Ahboroti*'
993	11718	1	for 'POPOVA, P. YA.,' read 'POPOVA, P. YA.;'
993	11722	6	for '*Deplodia*' read '*Diplodia*'
998	11798	3	for '***langsforffii***' read '***langsdorffii***'
1001	11832	3	for '**phentoype**' read '**phenotype**'

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1002	11835	2	for '***oleifers* Metag.**' read '***oleifera* Metzg.**'
1003	11845	10	for 'intragenetic' read 'intragenic'
1004	11863	3	for '***hypogea***' read '***hypogaea***'
1004	11867	1	for '**of**' read '**on**'
1005	11880	10	for '*flavicapra*' read '*flavicarpa*'
1007	11902	1	for 'UL'YANISCHCHEV' read 'UL'YANISHCHEV'
1008	11923	4	for 'termőrugyei' read 'termőrügyei'
1009	11930	9	for 'Samarkard, Lyuoskaya' read 'Samarkand, Lyubskaya'
1009	11934	1	for '**settling**' read '**setting**'
1009	11935	8	for '*fruticosa.*' read '*fruticosa*,'
1016	12018	10	for 'ulmi' read '*ulmi*'
1017	12031	6	for 'Pinn' read 'pin'
1017	12037	8	for '*elliotii*' read '*elliottii*'
1020	12069	12	for 'chromosome' read 'chromosomes'
1022	12092	3	for '**giberellic**' read '**gibberellic**'
1023	12097	2	for '**Colletotrichum lagenarium**' read '***Colletotrichum lagenarium***'
1023	12097	9	for 'to' read 'against'
1026	12141	8	for 'in' read 'the'
1027	12149	2	for '**Forth**' read '**Fourth**'
1028	12163	7	for '*megasperma*; var.' read '*megasperma* var.'
1031	12200	2	for '**Madya**' read '**Madhya**'
1031	12206	8	delete 'K'
1032	12217	2	for '**Bacillus subtilis**' read '***Bacillus subtilis***'
1033	12222	5	for 'winkled' read 'wrinkled'
1033	12228	6	for '*Zeitschfrit*' read '*Zeitschrift*'
1035	12247	11	for 'of' read 'to'

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